

Fig. 1

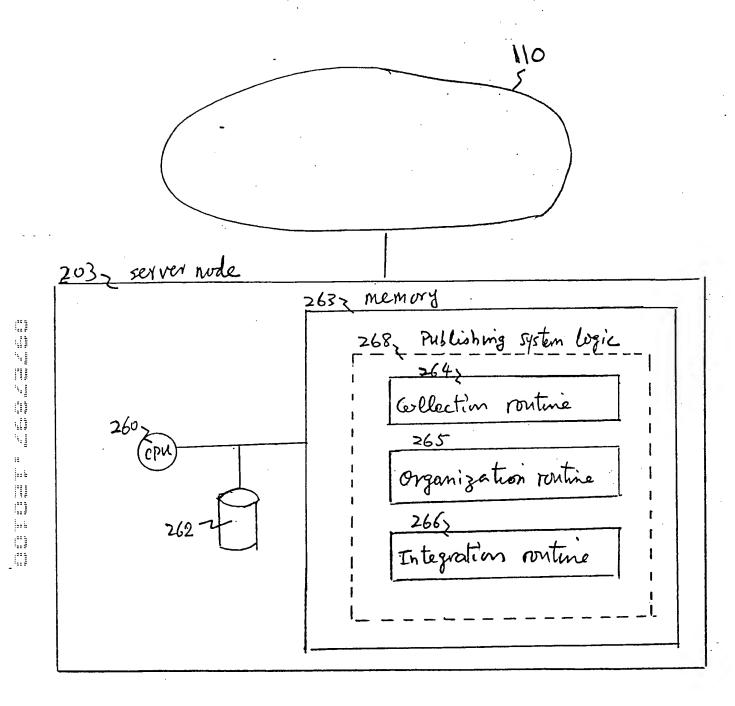


Figure 2

Collection mutine organization routino Integration rontino publishing routine

seed document routine 4102 expansion rontine 415 user interaction routine

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7.6.7

Granization routing

YOR9-2501-0582 (8726-420)

Represent each document using a vector space representation of words and the associated counts 610 - Apply clustering algorithm to form a given number of subcollection 615 - Determine the document order in each subcollection by inwhing ordering nontine 520 Derive suggestive titles for each subcollection uses modification routine

Figure 6.

Yorg-2000-0582USI (808-420)615 Create a graphic representation of a document collection based on hyperlinks I Remove the node with the highest number of outgoing are and put it in the order queue Mark the nodes that can be directly reached from the outgoing arcs of the fes node just removed, U X Any marked nodes unmarked roles, NO left Among the marked nodes, remove the W node with the highest number of outgoing arcs and put it in the voder queue fmish

Integration routine

40R9-200-0582031 (8728-402) 5315

805 Resolve cross reference.

810 - Create table of contents

finish

pick the node with the most number of outgoing arcs as an anchor node of level ! for note directly pointed to by the anchor node, those that directly point buck to the anchor noto are also designated as leve I nodes order the level I node based in the number of outgoing ares 9202 k-1 for each level & node, the level (&H) notes under it one those nodes that are pointed to by its outgoing arcs, but not yet taken by other nodes at earlier levels, or preceded it at the same level 935 Any node No every node assigned to level (kH) assigned a in the previous step level. yes RE R+1